

CLAIMS

We claim:

1. A composition for a human or animal diet comprising a food product and an
5 oleylethanolamide component.
2. The composition of claim 1, wherein said composition is for human
consumption.
- 10 3. The composition of claim 1, wherein said food product is a pet food.
4. The composition of claim 1, wherein said composition comprises between 0.01
gram and 10.0 grams of said oleylethanolamide.
- 15 5. The composition of claim 1, wherein said composition comprises between 0.5
grams and 2.0 grams of said oleylethanolamide.
6. The composition of claim 1, wherein said composition comprises approximately
1.0 gram of said oleylethanolamide.
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7. The composition of claim 1, further comprising a conjugated linoleic acid
component.
8. The composition of claim 1, wherein said food product is selected from the
25 group consisting of a beverage, a prepared food, a food ingredient, and a dairy product.
9. The composition of claim 1, further comprising a fatty acid amide hydrolase
inhibitor.
- 30 10. The composition of claim 1, wherein said oleylethanolamide component is a
derivative of OEA.

11. A composition comprising a dietary supplement, said dietary supplement comprising oleylethanolamide.

5 12. The composition of claim 11, wherein said dietary supplement comprises between 0.01 gram and 10.0 grams of said oleylethanolamide.

13. The composition of claim 11, wherein said dietary supplement comprises between 0.5 grams and 10.0 grams of said oleylethanolamide.

10 14. The composition of claim 11, wherein said dietary supplement comprises approximately 1.0 gram of said oleylethanolamide.

15 15. The composition of claim 11, wherein said dietary supplement further comprises a conjugated linoleic acid component.

16. The composition of claim 11, wherein said dietary supplement is in a capsule.

17. The composition of claim 16, wherein said capsule has an enteric coating.

20 18. The composition of claim 16, wherein said capsule is a gelatin capsule.

19. The composition of claim 11, further comprising a fatty acid amide hydrolase inhibitor.

25 20. The composition of claim 11, wherein said composition comprises a derivative of OEA.

30 21. A method of supplementing a diet, comprising orally administering a composition comprising oleylethanolamide.

22. The method of claim 21, wherein said composition comprises between 0.01 gram and 10.0 grams of said oleylethanolamide.

23. The method of claim 21, wherein said composition comprises between 0.5 grams and 10.0 grams of said oleylethanolamide.

24. The method of claim 21, wherein said composition comprises approximately 1.0 gram of said oleylethanolamide.

25. The method of claim 21, wherein said composition further comprises a fatty acid amide hydrolase inhibitor.

26. The method of claim 21, wherein said composition further comprises a derivative of OEA.

27. A method, comprising:
a) providing a oleic acid composition; and
b) treating said oleic acid composition under conditions such that an oleylethanolamide composition is generated, said oleylethanolamide composition suitable for consumption by a human or animal.

28. The method of claim 27, wherein said under conditions such that comprise reacting said oleic acid composition with a chloride to produce the acid chloride of oleic acid, reacting said acid chloride with ethanolamideacetate to generate an acetate of oleylethanolamide and hydrolyzing said acetate to generate oleylethanolamide.

29. The method of claim 27, further comprising the step of combining said oleylethanolamide with a food product.

30. The method of claim 27, wherein said oleic acid composition further comprises a fatty acid amide hydrolase inhibitor.

31. The method of claim 27, wherein said oleic acid composition further comprises a derivative of OEA..

32. A composition for a human or animal diet comprising a food product and an fatty acid amide component.

33. The composition of claim 32, wherein said composition is for human consumption.

34. The composition of claim 32, wherein said composition is for non-human animal consumption.

35. The composition of claim 32, wherein said composition comprises between 0.01 gram and 10.0 grams of said fatty acid amide.

36. The composition of claim 32, wherein said composition comprises between 0.5 grams and 2.0 grams of said fatty acid amide.

37. The composition of claim 32, wherein said composition comprises approximately 1.0 gram of said fatty acid amide.

38. The composition of claim 32, wherein said food product is selected from the group consisting of a beverage, a prepared food, a food ingredient, and a dairy product.

39. The composition of claim 32, wherein said fatty acid is an essential fatty acid.

40. The composition of claim 32, wherein said fatty acid is a C:18 or longer fatty acid.

41. The composition of claim 32, wherein said fatty acid is an unsaturated fatty acid.

42. The composition of claim 32, wherein said fatty acid is a saturated fatty acid.

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43. The composition of claim 32, wherein said fatty acid is a conjugated fatty acid.

44. The composition of claim 32, wherein said fatty acid is selected from the group consisting of conjugated linoleic acid, oleic acid, docosahexaenoic acid, gamma-linolenic acid, alpha linoleic acid, stearidonic acid, dihomo-gamma-linolenic acid, arachidonic acid, eicosapentaenoic acid, adrenic acid, docosahexaenoic acid, and docosapentaenoic acid.

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45. The composition of claim 32, wherein said composition further comprises a fatty acid amide hydrolase inhibitor.

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46. The composition of claim 32, wherein said composition further comprises an OEA derivative.